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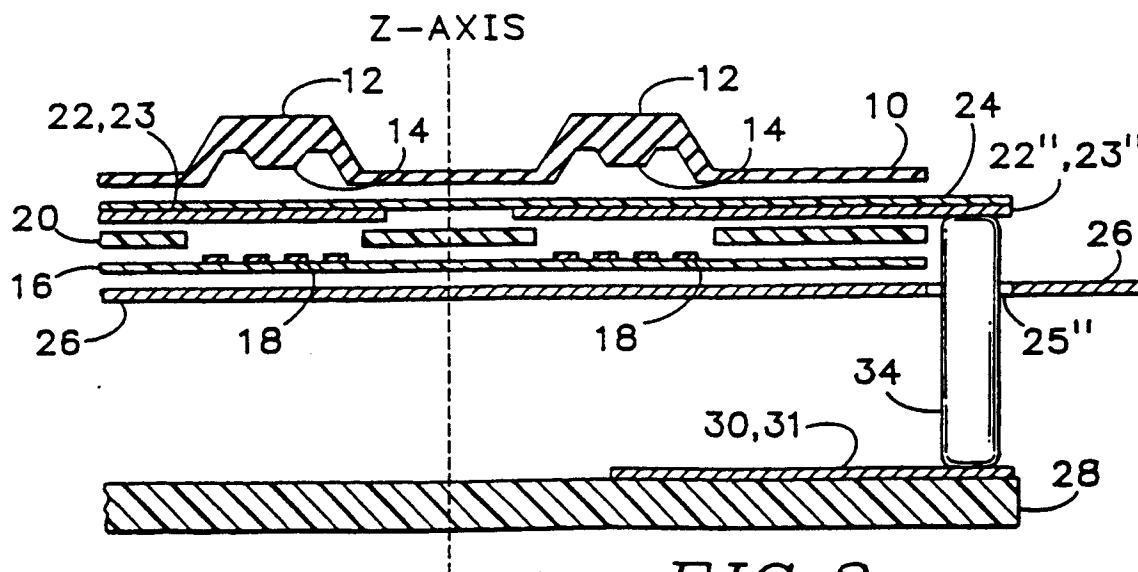
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26.05.93 Bulletin 93/21(71) Applicant: **JOHN FLUKE MFG. CO., INC.**
P.O. Box 9090
Everett Washington 98206-9090(US)(72) Inventor: **Kaneko, Steven T.**
2211 10th Avenue E., Unit H
Seattle, W.A. 98012(US)(74) Representative: **Burke, Steven David et al**
R.G.C. Jenkins & Co. 26 Caxton Street
London SW1H 0RJ (GB)(54) **Keypad assembly and instrument using same.**

(57) A keypad structure includes a stiff backing element and an elastomeric cover that have between them a first membrane on which is defined a shorting conductive layer, a second membrane on which is defined a main conductive layer, the second membrane on which the main conductive layer is defined as being adjacent the elastomeric cover

rather than the stiff backing element as in the prior art. A third membrane provides spacing between the main and shorting conductive layers when the keypad is not compressed. An elastomeric interconnect can then be used to connect exposed contacts on the main conductive layer with other circuitry in an instrument utilizing the keypad.

**FIG. 3****EP 0 503 186 A3**



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EUROPEAN SEARCH REPORT

Application Number

EP 91 30 6063

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	EP-A-0 400 953 (SEIKO EPSON CORP.) * abstract; figures * ---	1	H01H13/70
A	GB-A-2 024 518 (W.H.BRADY CO.) * page 1, line 64 - page 2, line 12; figures 2,5 * ---	1	
A	US-A-4 628 408 (ALPS ELECTRIC CO.) * figures 1,2 * ---	1	
A	FR-A-2 531 567 (JAEGER) * page 5; figure 6 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H01H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01 APRIL 1993	Examiner JANSSENS DE VROOM P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			